

Smart Skies			
2006 Science and Technology/Engineering			
Curriculum Frameworks			
Massachusetts Science and Technology/Engineering			
Grades 9-12			
Activity/Lesson	State	Standards	
Fly by Math	MA	SCI.9-12.E.II.SIS3.1	Use mathematical operations to analyze and interpret data results.
Fly by Math	MA	SCI.9-12.E.III.9.2	Use appropriate metric/standard international (SI) units of measurement for mass (kg); length (m); time (s); force (N); speed (m/s); acceleration ( $m \cdot s^{-2}$ ); and frequency (Hz).
Fly by Math	MA	SCI.9-12.P.I.1.A.1.2	Distinguish between displacement, distance, velocity, speed, and acceleration. Solve problems involving displacement, distance, velocity, speed, and constant acceleration.
Fly by Math	MA	SCI.9-12.P.I.1.A.1.3	Create and interpret graphs of 1-dimensional motion, such as position vs. time, distance vs. time, speed vs. time, velocity vs. time, and acceleration vs. time where acceleration is constant.
Line Up with Math	MA	SCI.9-12.E.III.9.2	Use appropriate metric/standard international (SI) units of measurement for mass (kg); length (m); time (s); force (N); speed (m/s); acceleration ( $m \cdot s^{-2}$ ); and frequency (Hz).
Line Up with Math	MA	SCI.9-12.P.I.1.A.1.2	Distinguish between displacement, distance, velocity, speed, and acceleration. Solve problems involving displacement, distance, velocity, speed, and constant acceleration.